

# Chapter 7: Air and Atmosphere

## Worksheet 1

### 1. Write T for true and F for false statement.

- (i) Nitrogen is a gas at room temperature.
- (ii) Respiration takes place at high temperature.
- (iii) Oxygen turns limewater milky.
- (iv) Radon is used in the treatment of cancer.
- (v) Argon is used in welding metals.

### 2. Fill in the blanks.

- (i) \_\_\_\_\_ gas makes 21 per cent of air.
- (ii) \_\_\_\_\_ is essential for the growth of plants and animals.
- (iii) \_\_\_\_\_ gas is used to fill electric light bulbs.
- (iv) In \_\_\_\_\_ areas, the air has greater percentage of water vapour.
- (v) Liquid \_\_\_\_\_ is used to produce very low temperature.

### 3. Match the columns.

#### Column A

- (i) Oxygen
- (ii) Nitrogen
- (iii) Carbon dioxide
- (iv) Water vapour
- (v) Carbon monoxide

#### Column B

- (a) Used to extinguish fire
- (b) Responsible for formation of frost
- (c) Air pollutant
- (d) Most abundant gas in air
- (e) Essential for burning

### 4. Answer the following questions.

- (i) What do you mean by atmosphere?
- (ii) What are air pollutants?
- (iii) What is SPM?
- (iv) Write one effect of acid rain.
- (v) Are air and moisture necessary for rusting?

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## Worksheet 2

### 1. Write T for true and F for false statement.

- (i) Sulphur dioxide is released by volcanic eruptions.
- (ii) Acid rain can cause soil to become acidic.
- (iii) Air is necessary for combustion.
- (iv) Green plants use oxygen to prepare their food.
- (v) Solid carbon dioxide is used in \_\_\_\_\_.

### 2. Fill in the blanks.

- (i) At \_\_\_\_\_ altitudes, the percentage of oxygen is low.
- (ii) We breathe in \_\_\_\_\_ all the time.
- (iii) \_\_\_\_\_ gas is slightly lighter than air.
- (iv) Aquatic plants and animals take in oxygen dissolved in \_\_\_\_\_.
- (v) Rusting is a \_\_\_\_\_ process.

### 3. Define the following.

- (i) Atmosphere
- (ii) Rusting
- (iii) Acid rain
- (iv) Air pollution
- (v) Combustion

### 4. Answer the following questions.

- (i) What is the percentage of noble gases in air?
- (ii) List three properties of nitrogen.
- (iii) What is acid rain?
- (iv) Mention few air pollutants.
- (v) Which component of air is responsible for formation of mist?